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May 23, 1992

DERWENT-ACC-NO: 1993-157627

DERWENT-WEEK: 199319

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TITLE: Prepn. of vaccine against animal dermatophytoses - using virulent cultures of microspdrum canis, Microsporum gypseum and Trichophyton mentagrophytes fungi inactivated with formalin

INVENTOR: KHANIS A YU.; PETROVICH, S V ; POLYAKOV, I D

PATENT-ASSIGNEE:

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CODE

VETER

PRIORITY-DATA: 1989SU-4643209 (January 26, 1989)

PATENT-FAMILY:

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INT-CL (IPC): A61K 39/00

ABSTRACTED-PUB-NO: SU 1734762A

BASIC-ABSTRACT:

Laboratory and domestic animals can be given up to 12 months' immunity against fungal infections as well as trichophytosis and microsporiasis with the agent. In tests only 5-11% of rabbits immunised with the vaccine showed clinical signs of the disease 25 days after infection, compared to 100% in the non-immunised test group.

After virulent cultures of Microsporum canis (I), Microsporum gypseum (II) and Trichophyton mentagrophytes (III) have been grown separately, they are homogenised and concns. made up to 1.2-2.0 x

10 power 9 per ml (I), $0.6-1.0 \times 10$ power 9 per ml (II) and $(0.6-1.0) \times 10$ power 9 per ml (III). They are then mixed in 1:1:1 ratio and inactivated by adding 0.5-0.6% formalin soln. and leaving for 3-4 days at 37-38 deg.C. Finally 0.8-0.9% sodium nucleinat soln. is added as an immunomodulator. The vaccine is administered twice, intramuscularly, with 10-14 days between injections, in 0.9-1.2 ml of physiological saline.

USE/ADVANTAGE - In veterinary microbiology, an anti-dermatophytosis vaccine that provides enhanced immunogenicity and no adverse side-effects. Bul.19/23.5.9

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: PREPARATION VACCINE ANIMAL DERMATOPHYTOSIS VIRULENT CULTURE CANIS MICROSPORUM TRICHOPHYTON MENTAGROPHYTES FUNGUS INACTIVATE FORMALDEHYDE

DERWENT-CLASS: B04 C06 D16

CPI-CODES: B02-V02; C02-V02; B12-A02C; C12-A02C; B12-A07; C12-A07; D05-H07;

CHEMICAL-CODES:

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